Connecting via Winsock to STN

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	4	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	5	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	6	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	7	MAR 02	GBFULL: New full-text patent database on STN
NEWS	8	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	9	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	10	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	11	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12	MAR 22	PATDPASPC - New patent database available
NEWS	13	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	14	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	15	APR 04	EMBASE - Database reloaded and enhanced
NEWS	16	APR 18	New CAS Information Use Policies available online
NEWS	17	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAplus and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	18	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAplus

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 08:46:15 ON 03 MAY 2005

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'REGISTRY' ENTERED AT 08:47:33 ON 03 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 MAY 2005 HIGHEST RN 849658-68-0
DICTIONARY FILE UPDATES: 2 MAY 2005 HIGHEST RN 849658-68-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

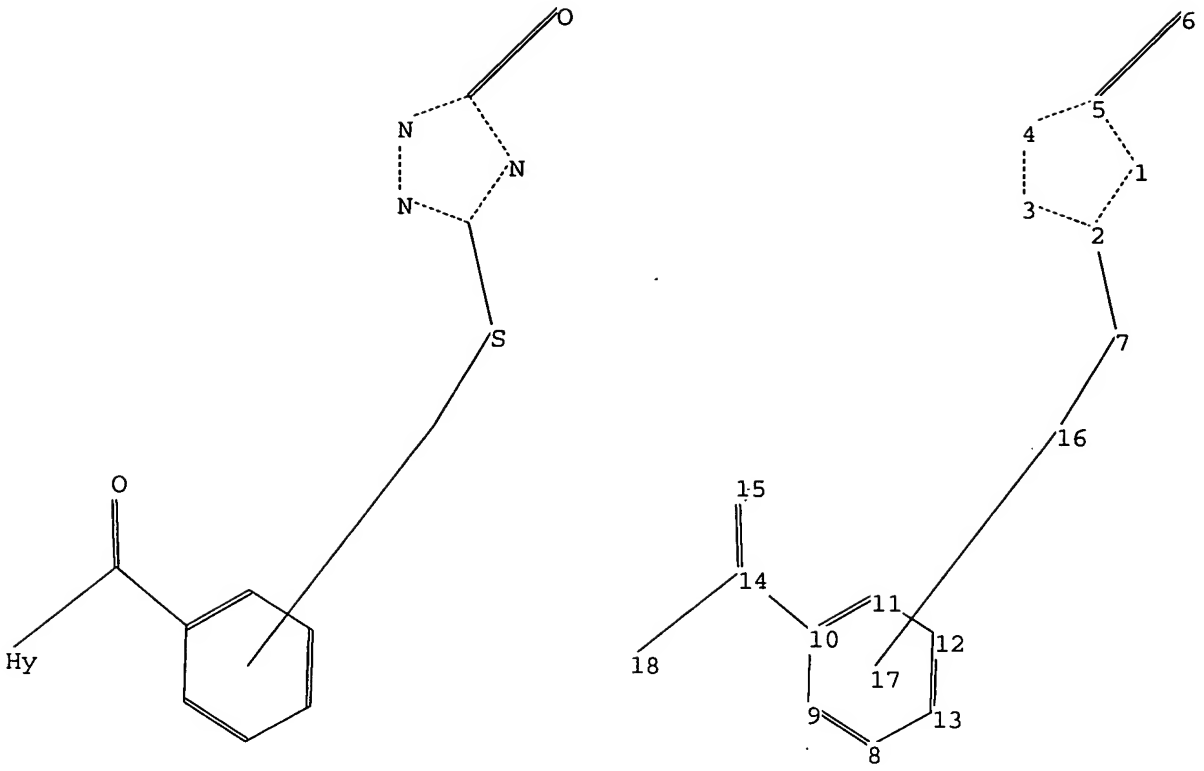
Please note that search-term pricing does apply when conducting SmartSELECT searches.

```
**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005. A new display format, IDERL, is now      *
* available and contains the CA role and document type information.  *
*                                                                    *
**********************************************************************
```

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10783484.str



chain nodes :
6 7 14 15 16 18
ring nodes :
1 2 3 4 5 8 9 10 11 12 13
chain bonds :
2-7 5-6 7-16 10-14 14-15 14-18
ring bonds :
1-2 1-5 2-3 3-4 4-5 8-9 8-13 9-10 10-11 11-12 12-13
exact/norm bonds :
1-2 1-5 2-3 2-7 3-4 4-5 5-6 7-16 14-15 14-18
exact bonds :
10-14
normalized bonds :
8-9 8-13 9-10 10-11 11-12 12-13
isolated ring systems :
containing 1 : 8 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:Atom

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 08:47:57 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 134 TO ITERATE

100.0% PROCESSED 134 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1986 TO 3374
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 08:48:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2713 TO ITERATE

100.0% PROCESSED 2713 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.01

L3 7 SEA SSS FUL L1

=> FIL CAPLUS
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 161.33 161.75

FILE 'CAPLUS' ENTERED AT 08:48:09 ON 03 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 3 May 2005 VOL 142 ISS 19
FILE LAST UPDATED: 2 May 2005 (20050502/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 1 L3

=> d l4 ibib abs-hitstr tot

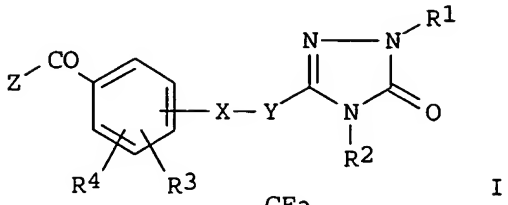
L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2001:247323 CAPLUS
DOCUMENT NUMBER: 134:280846
TITLE: Preparation of substituted aryl ketones for use as herbicides
INVENTOR(S): Mueller, Klaus-Helmut; Lehr, Stefan; Schallner, Otto; Schwarz, Hans-georg; Drewes, Mark-Wilhelm; Dahmen, Peter; Feucht, Dieter; Pontzen, Rolf
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 86 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001023367	A1	20010405	WO 2000-EP9090	20000918
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 19946853	A1	20010405	DE 1999-19946853	19990930
CA 2387712	AA	20010405	CA 2000-2387712	20000918
BR 2000014443	A	20020618	BR 2000-14443	20000918
EP 1222177	A1	20020717	EP 2000-966043	20000918
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2003510311	T2	20030318	JP 2001-526520	20000918
AU 770804	B2	20040304	AU 2000-76575	20000918
US 6610631	B1	20030826	US 2002-89293	20020327
US 2003228983	A1	20031211	US 2003-421531	20030423
US 6727206	B2	20040427		
US 2004162326	A1	20040819	US 2004-783484	20040220

PRIORITY APPLN. INFO.:

DE 1999-19946853	A	19990930
WO 2000-EP9090	W	20000918
US 2002-89293	A3	20020327
US 2003-421531	A3	20030423

OTHER SOURCE(S): MARPAT 134:280846
GI



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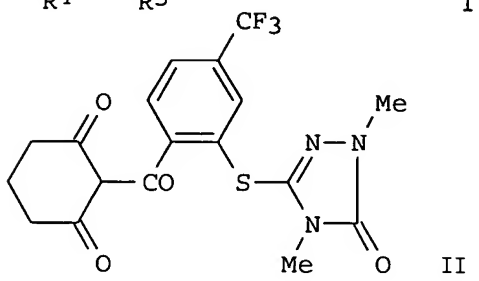


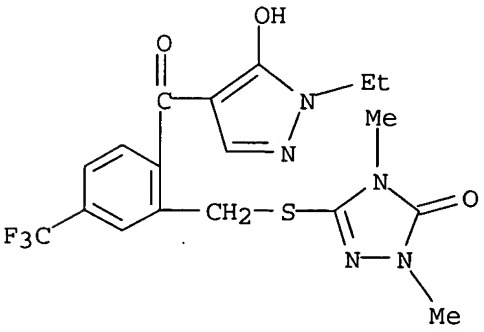
II

AB Aryl ketones, such as I [R1 = H, alkyl, alkenyl, alkynyl, cycloalkyl, aryl; R2 = H, alkyl, alkoxy, alkylamino, arylamino, alkenyl, alkenyloxy, alkynyl, alkynyloxy, cycloalkyl, aryl; R3, R4 = H, NO2, CN, carboxy, carbamoyl, thiocarbamoyl, halogen, alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, alkylamino; X = bond, connecting group, such as CH2; Y = S, SO, SO2; Z = dioxocyclohexyl, oxocyclohexenyl, pyrazolyl, oxazolyl, acylalkyl, etc.], were prepared for use as herbicides. Thus, II was prepared in 68% yield by reaction of 1,3-cyclohexanedione with the corresponding benzoic acid using DCC in CH2Cl2. The prepared aryl ketones were tested for post- and preemergence herbicidal activity.

IT **332348-49-9P 332348-56-8P 332348-61-5P**
332348-67-1P 332348-71-7P 332348-74-0P
332349-16-3P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aryl ketones for use as post- and preemergence herbicides)

RN 332348-49-9 CAPLUS

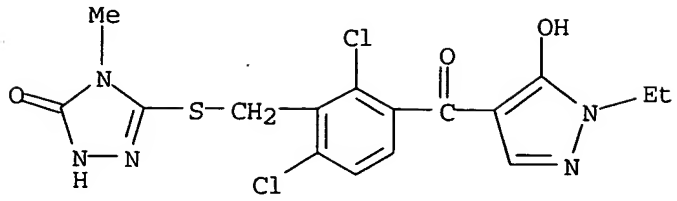
CN 3H-1,2,4-Triazol-3-one, 5-[[[2-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]-5-(trifluoromethyl)phenyl]methyl]thio]-2,4-dihydro-2,4-dimethyl- (9CI) (CA INDEX NAME)



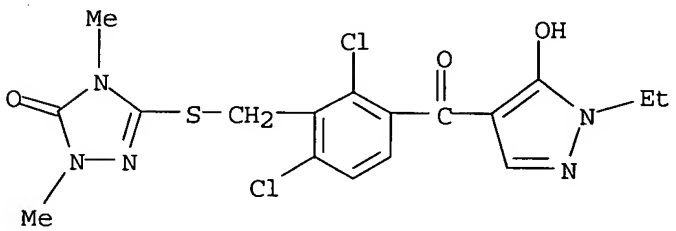
RN 332348-56-8 CAPLUS

CN 3H-1,2,4-Triazol-3-one, 5-[[[2,6-dichloro-3-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]thio]-2,4-dihydro-4-methyl- (9CI) (CA INDEX

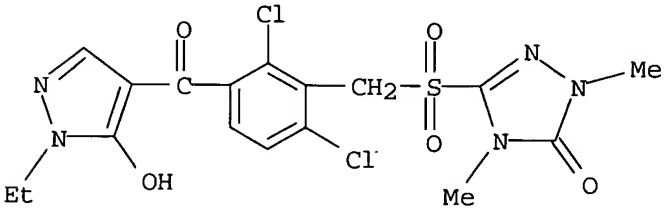
NAME)



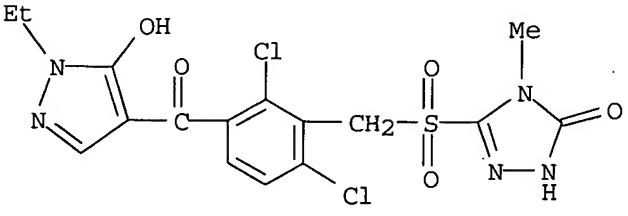
RN 332348-61-5 CAPLUS
CN 3H-1,2,4-Triazol-3-one, 5-[[[2,6-dichloro-3-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]thio]-2,4-dihydro-2,4-dimethyl- (9CI) (CA INDEX NAME)



RN 332348-67-1 CAPLUS
CN 3H-1,2,4-Triazol-3-one, 5-[[[2,6-dichloro-3-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]sulfonyl]-2,4-dihydro-2,4-dimethyl- (9CI) (CA INDEX NAME)

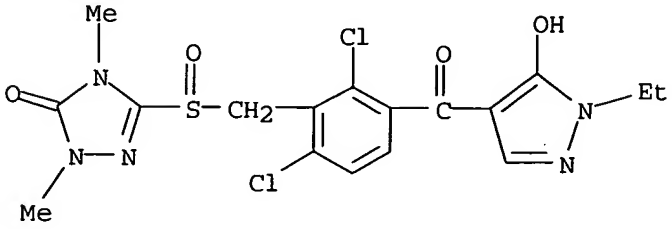


RN 332348-71-7 CAPLUS
CN 3H-1,2,4-Triazol-3-one, 5-[[[2,6-dichloro-3-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]sulfonyl]-2,4-dihydro-4-methyl- (9CI) (CA INDEX NAME)

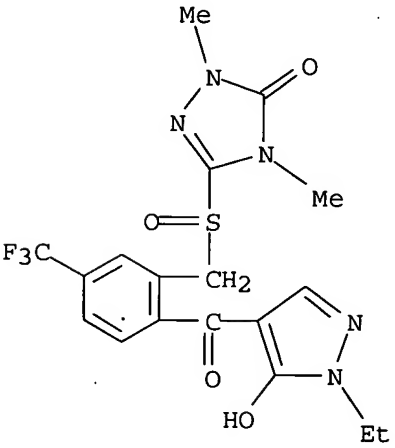


RN 332348-74-0 CAPLUS

CN 3H-1,2,4-Triazol-3-one, 5-[[[2,6-dichloro-3-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]phenyl]methyl]sulfinyl]-2,4-dihydro-2,4-dimethyl- (9CI) (CA INDEX NAME)



RN 332349-16-3 CAPLUS
CN 3H-1,2,4-Triazol-3-one, 5-[[[2-[(1-ethyl-5-hydroxy-1H-pyrazol-4-yl)carbonyl]-5-(trifluoromethyl)phenyl]methyl]sulfinyl]-2,4-dihydro-2,4-dimethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.29	168.04

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

FILE 'REGISTRY' ENTERED AT 08:50:07 ON 03 MAY 2005

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 MAY 2005 HIGHEST RN 849658-68-0
DICTIONARY FILE UPDATES: 2 MAY 2005 HIGHEST RN 849658-68-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

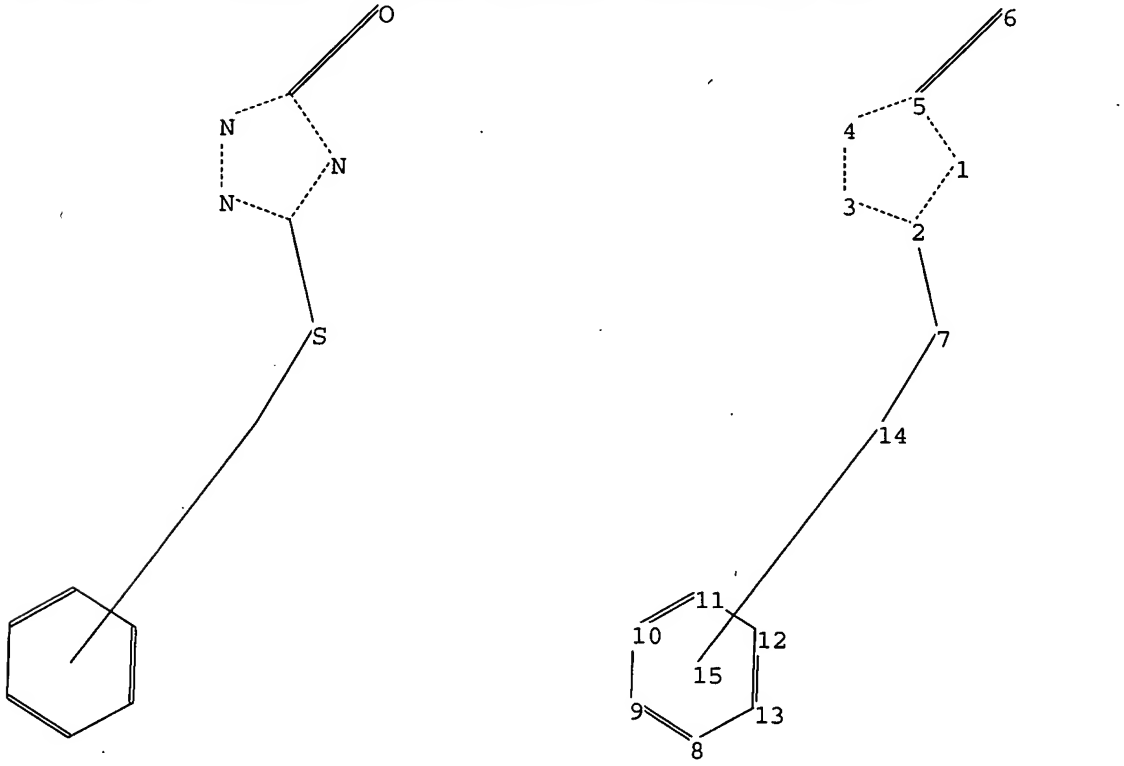
Please note that search-term pricing does apply when conducting SmartSELECT searches.

****
* *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
* *
****

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10783484a.str



chain nodes :
6 7 14
ring nodes :

```
1  2  3  4  5  8  9  10  11  12  13
chain bonds :
2-7  5-6  7-14
ring bonds :
1-2  1-5  2-3  3-4  4-5  8-9  8-13  9-10  10-11  11-12  12-13
exact/norm bonds :
1-2  1-5  2-3  2-7  3-4  4-5  5-6  7-14
normalized bonds :
8-9  8-13  9-10  10-11  11-12  12-13
isolated ring systems :
containing 1 : 8 :


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:CLASS  7:CLASS  8:Atom  9:Atom  10:Atom
11:Atom  12:Atom  13:Atom  14:CLASS  15:CLASS



L5      STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l5
SAMPLE SEARCH INITIATED 08:50:27 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    134 TO ITERATE

100.0% PROCESSED     134 ITERATIONS                              6 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         1986 TO     3374
PROJECTED ANSWERS:               6 TO      266

L6            6 SEA SSS SAM L5

=> s l5 sss full
FULL SEARCH INITIATED 08:50:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   2713 TO ITERATE

100.0% PROCESSED    2713 ITERATIONS                             98 ANSWERS
SEARCH TIME: 00.00.01

L7           98 SEA SSS FUL L5

=> FIL CAPLUS
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             161.33     329.37
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE ENTRY 0.00 TOTAL SESSION -0.73
CA SUBSCRIBER PRICE

FILE 'CAPLUS' ENTERED AT 08:50:38 ON 03 MAY 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 3 May 2005 VOL 142 ISS 19
FILE LAST UPDATED: 2 May 2005 (20050502/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> s nl7
L8            2 NL7

=> s l7
L9           22 L7

=> s l9 and py<=1999
      19743672 PY<=1999
L10          19 L9 AND PY<=1999

=> s l10 and herbicides
          62289 HERBICIDES
L11           5 L10 AND HERBICIDES

=> d l11 ibib abs hitstr tot

L11  ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:        1997:191906  CAPLUS
DOCUMENT NUMBER:         126:186088
TITLE:                   Preparation of 2-[[(phenylsulfonyl)aminocarbonyl]-1,2,4-
                         triazol-3-ones and analogs as herbicides
INVENTOR(S):             Mueller, Klaus-Helmut; Kirsten, Rolf; Gesing, Ernst R.
                         F.; Kluth, Joachim; Drewes, Mark Wilhelm; Findeisen,
                         Kurt; Jansen, Johannes R.; Koenig, Klaus; Riebel,
                         Hans-Jochem; Schallner, Otto; Dollinger, Markus;
                         Santel, Hans-Joachim
PATENT ASSIGNEE(S):      Bayer A.-G., Germany
SOURCE:                  Ger. Offen., 115 pp.
                         CODEN: GWXXBX
DOCUMENT TYPE:           Patent
LANGUAGE:                German
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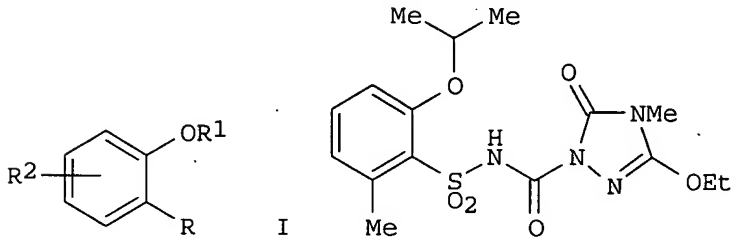
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
DE 19525162	A1	19970116	DE 1995-19525162	19950711	<--
CA 2226669	AA	19970130	CA 1996-2226669	19960628	<--
WO 9703056	A1	19970130	WO 1996-EP2826	19960628	<--
W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US					
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
AU 9665146	A1	19970210	AU 1996-65146	19960628	<--
AU 703153	B2	19990318			
EP 842157	A1	19980520	EP 1996-924805	19960628	<--
EP 842157	B1	20030827			
R: BE, CH, DE, ES, FR, GB, IT, LI, NL					
CN 1198159	A	19981104	CN 1996-196753	19960628	<--
CN 1086696	B	20020626			
BR 9609902	A	19990629	BR 1996-9902	19960628	<--
JP 11508595	T2	19990727	JP 1996-505456	19960628	<--
EP 1344771	A1	20030917	EP 2003-11479	19960628	
R: BE, CH, DE, ES, FR, GB, IT, LI, NL					
ES 2202457	T3	20040401	ES 1996-924805	19960628	
ZA 9605841	A	19970131	ZA 1996-5841	19960710	<--
US 6251831	B1	20010626	US 1998-223246	19981230	
HK 1016167	A1	20030228	HK 1999-101110	19990317	
CN 1316418	A	20011010	CN 2001-101527	20010117	
US 6525211	B1	20030225	US 2001-838812	20010420	

PRIORITY APPLN. INFO.:

DE 1995-19525162	A	19950711
EP 1996-924805	A3	19960628
WO 1996-EP2826	W	19960628
US 1998-6686	B1	19980108
US 1998-223246	A3	19981230

OTHER SOURCE(S): MARPAT 126:186088
GI



I II

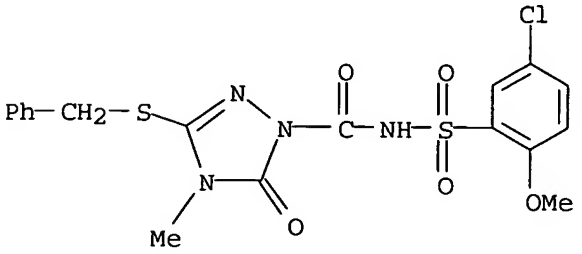
AB Title compds. [I; R = ZSO2NHC(:X)R3; R1 = H, CHO, (un)substituted alk(en)yl, acyl, etc.; R2 = halo, cyano, alkyl, alkoxy, etc.; R3 = heterocyclyl; X = O or S; Z = bond, O, S, (alkyl)imino, etc.] were prepared as **herbicides** (no data). Thus, Ph 5-ethoxy-4-methyl-2,4-dihydro-3H-1,2,4-triazol-3-one-2-carboxylate was amidated by 2,6-Me(Me2HCO)C6H3SO2NH2 to give title compound II.

IT **187469-76-7P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 2-[(phenylsulfonyl)aminocarbonyl]-1,2,4-triazol-3-ones and analogs as **herbicides**)

RN 187469-76-7 CAPLUS

CN 1H-1,2,4-Triazole-1-carboxamide, N-[(5-chloro-2-methoxyphenyl)sulfonyl]-4,5-dihydro-4-methyl-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



L11 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1997:124917 CAPLUS

DOCUMENT NUMBER: 126:212152

TITLE: Preparation of 1-acyl-1,2,4-triazolin-5-ones as **herbicides**

INVENTOR(S): Muller, Klaus-helmut; Babczinski, Peter; Santel, Hans-joachim; Schmidt, Robert R.; Findeisen, Kurt; Lindig, Markus; Lurssen, Klaus; Strang, Harry

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: U.S., 60 pp., Cont.-in-part of U.S. 5,523,409.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 12

PATENT INFORMATION:

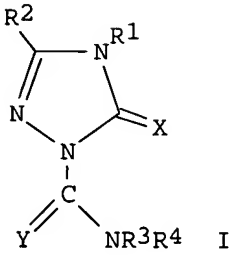
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5599944	A	19970204	US 1994-295446	19940824 <--
DE 3709574	A1	19881006	DE 1987-3709574	19870324 <--
US 5061311	A	19911029	US 1988-168823	19880316 <--
DE 3934081	A1	19910418	DE 1989-3934081	19891012 <--
DE 3936622	A1	19910508	DE 1989-3936622	19891103 <--
DE 3936623	A1	19910508	DE 1989-3936623	19891103 <--
CA 2189698	C	20030506	CA 1990-2189698	19901010
CA 2302058	C	20040525	CA 1990-2302058	19901010
US 5085684	A	19920204	US 1990-596845	19901012 <--
US 5166356	A	19921124	US 1991-741702	19910806 <--
US 5149356	A	19920922	US 1991-777824	19911015 <--
US 5238910	A	19930824	US 1992-859216	19920327 <--
US 5262389	A	19931116	US 1992-868065	19920413 <--
US 5276162	A	19940104	US 1992-870867	19920420 <--
US 5380864	A	19950110	US 1993-60075	19930510 <--
US 5523409	A	19960604	US 1993-125975	19930923 <--
US 5380863	A	19950110	US 1993-136429	19931013 <--
US 5532378	A	19960702	US 1994-356933	19941215 <--
US 5625074	A	19970429	US 1996-632984	19960416 <--
US 5750718	A	19980512	US 1996-729126	19961011 <--

PRIORITY APPLN. INFO.: DE 1987-3709574 A 19870324
US 1988-168823 A3 19880316

DE 1989-3934081	A	19891012
DE 1989-3936622	A	19891103
DE 1989-3936623	A	19891103
US 1990-596845	A3	19901012
US 1991-741702	A3	19910806
US 1991-777824	A3	19911015
US 1992-868065	A3	19920413
US 1992-870867	A3	19920420
US 1993-125975	A2	19930923
US 1993-136429	A2	19931013
DE 1988-3815765	A	19880509
US 1989-337775	B2	19890413
US 1990-556052	A2	19900720
US 1990-580900	A2	19900911
CA 1990-2027206	A3	19901010
CA 1990-2189698	A3	19901010
US 1991-692439	A3	19910429
US 1991-816365	A3	19911230
US 1992-859216	A3	19920327
US 1993-31426	A3	19930315
US 1994-295446	A3	19940824
US 1994-356933	A3	19941215

OTHER SOURCE(S): CASREACT 126:212152; MARPAT 126:212152

GI



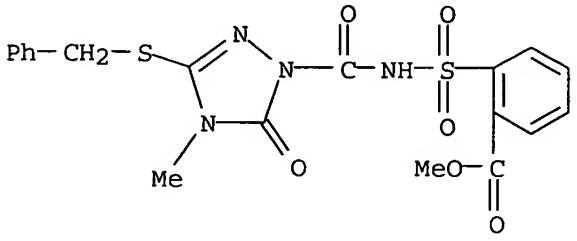
I

AB Title compds. [e.g., I; R1 = H, (halo)alk(en)yl, alkoxy, etc.; R2 = NR5R6 or SOnR7; R3,R4 = H, (halo)alk(en)yl, alkoxy, aryl, etc.; R5,R6 = (halo)alk(en)yl, alkoxy, aryl, etc.; R7 = (cyclo)alkyl, aryl(alkyl), etc.; X,Y = O or S; n = 0-2] were prepared as **herbicides** (no data). Thus, MeNHCONMe2 was treated with COCl2 and the product condensed with H2NNH2 to give MeN:C(NMe2)NHNH2 which was cyclocondensed with COCl2 to give, in 2 addnl. steps, I (R1 = Me, R2 = NMe2, R3 = H, R4 = allyl, X = Y = O).

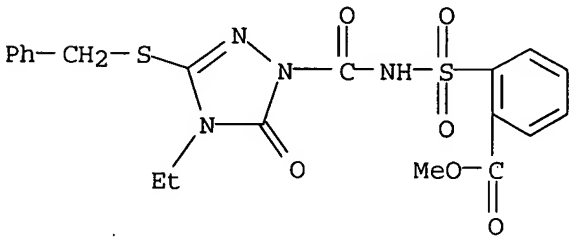
IT **135838-21-0P 135868-12-1P 187933-15-9P**
187933-18-2P 187933-21-7P 187933-26-2P
187933-27-3P 187933-30-8P 187933-64-8P
187933-65-9P 187933-66-0P 187933-67-1P
187933-68-2P 187933-69-3P 187933-97-7P
187934-03-8P 187934-05-0P 187934-07-2P
187934-10-7P 187934-12-9P 187934-15-2P
187934-17-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 1-acyl-1,2,4-triazolin-5-ones as **herbicides**)

RN 135838-21-0 CAPLUS

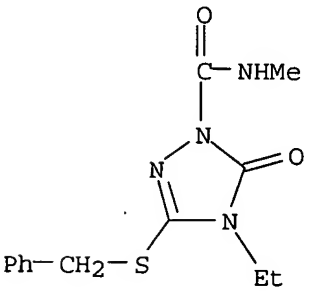
CN Benzoic acid, 2-[[[[4,5-dihydro-4-methyl-5-oxo-3-[(phenylmethyl)thio]-1H-1,2,4-triazol-1-yl]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



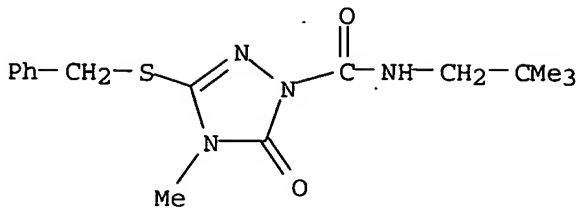
RN 135868-12-1 CAPLUS
CN Benzoic acid, 2-[[[[4-ethyl-4,5-dihydro-5-oxo-3-[(phenylmethyl)thio]-1H-1,2,4-triazol-1-yl]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



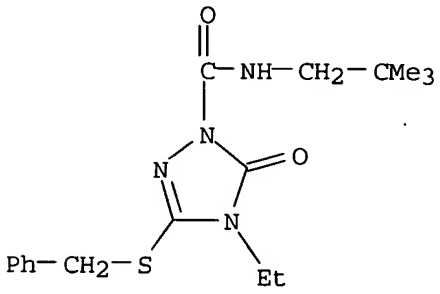
RN 187933-15-9 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, 4-ethyl-4,5-dihydro-N-methyl-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



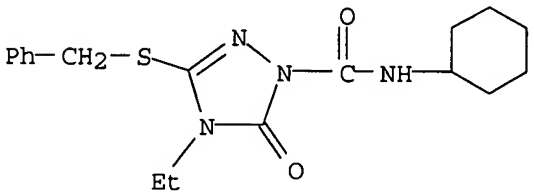
RN 187933-18-2 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, N-(2,2-dimethylpropyl)-4,5-dihydro-4-methyl-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



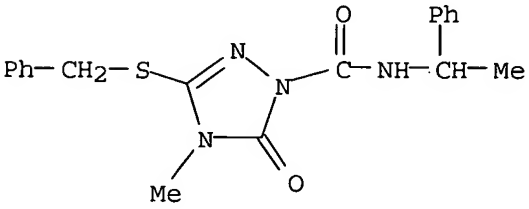
RN 187933-21-7 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, N-(2,2-dimethylpropyl)-4-ethyl-4,5-dihydro-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



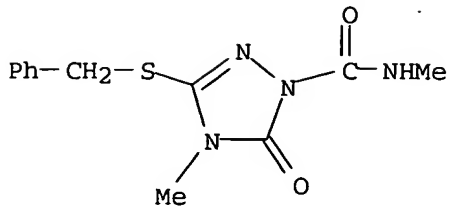
RN 187933-26-2 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, N-cyclohexyl-4-ethyl-4,5-dihydro-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



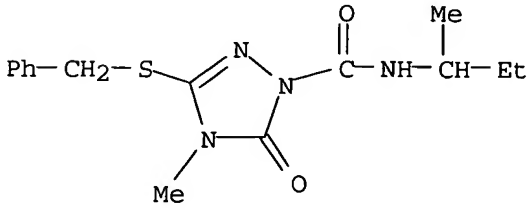
RN 187933-27-3 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, 4,5-dihydro-4-methyl-5-oxo-N-(1-phenylethyl)-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



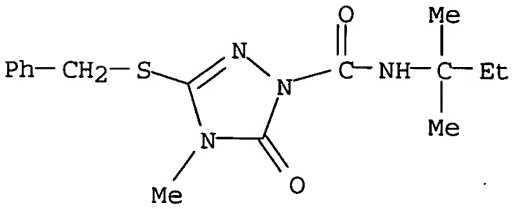
RN 187933-30-8 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, 4,5-dihydro-N,4-dimethyl-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



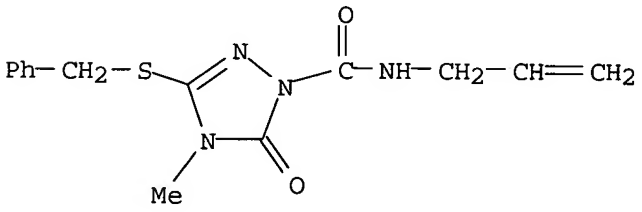
RN 187933-64-8 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, 4,5-dihydro-4-methyl-N-(1-methylpropyl)-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



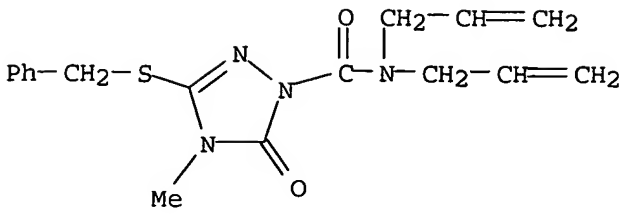
RN 187933-65-9 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, N-(1,1-dimethylpropyl)-4,5-dihydro-4-methyl-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



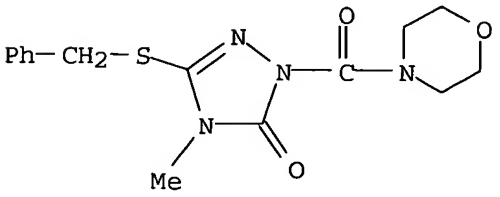
RN 187933-66-0 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, 4,5-dihydro-4-methyl-5-oxo-3-[(phenylmethyl)thio]-N-2-propenyl- (9CI) (CA INDEX NAME)



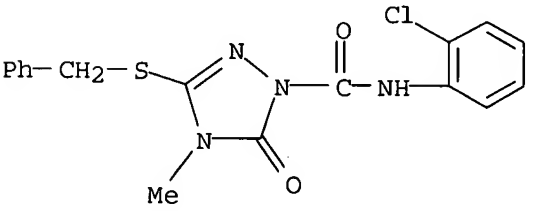
RN 187933-67-1 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, 4,5-dihydro-4-methyl-5-oxo-3-[(phenylmethyl)thio]-N,N-di-2-propenyl- (9CI) (CA INDEX NAME)



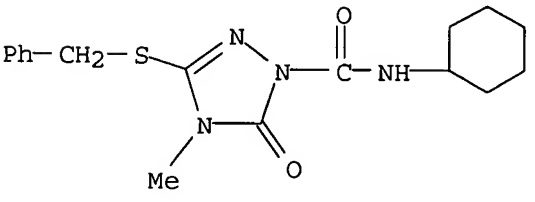
RN 187933-68-2 CAPLUS
CN Morpholine, 4-[[4,5-dihydro-4-methyl-5-oxo-3-[(phenylmethyl)thio]-1H-1,2,4-triazol-1-yl]carbonyl]- (9CI) (CA INDEX NAME)



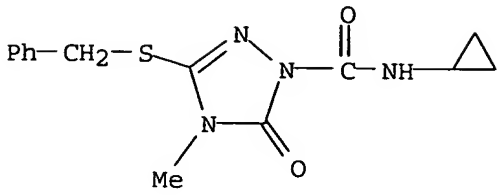
RN 187933-69-3 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, N-(2-chlorophenyl)-4,5-dihydro-4-methyl-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



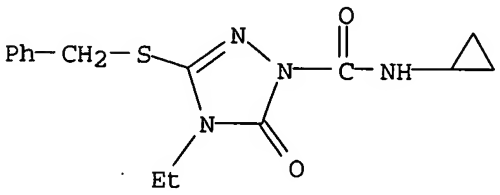
RN 187933-97-7 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, N-cyclohexyl-4,5-dihydro-4-methyl-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



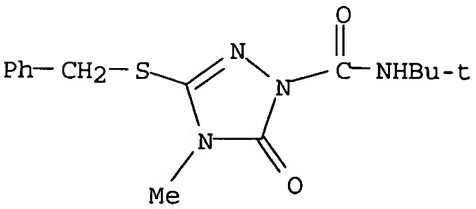
RN 187934-03-8 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, N-cyclopropyl-4,5-dihydro-4-methyl-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



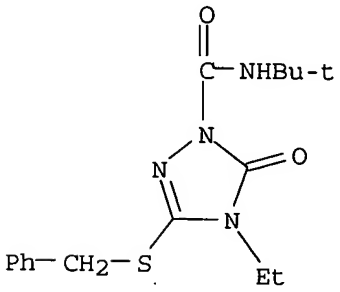
RN 187934-05-0 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, N-cyclopropyl-4-ethyl-4,5-dihydro-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



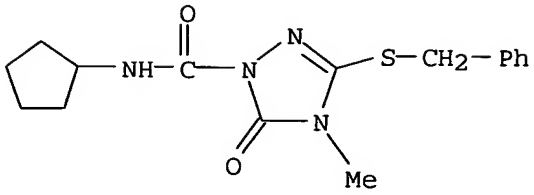
RN 187934-07-2 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, N-(1,1-dimethylethyl)-4,5-dihydro-4-methyl-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



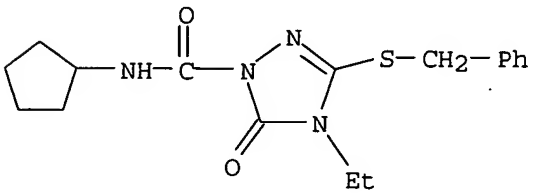
RN 187934-10-7 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, N-(1,1-dimethylethyl)-4-ethyl-4,5-dihydro-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



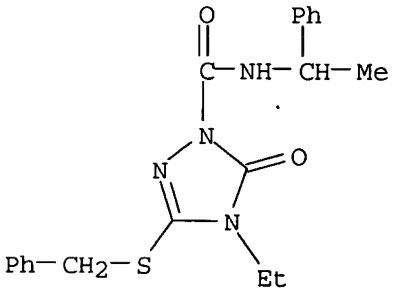
RN 187934-12-9 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, N-cyclopentyl-4,5-dihydro-4-methyl-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



RN 187934-15-2 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, N-cyclopentyl-4-ethyl-4,5-dihydro-5-oxo-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



RN 187934-17-4 CAPLUS
CN 1H-1,2,4-Triazole-1-carboxamide, 4-ethyl-4,5-dihydro-5-oxo-N-(1-phenylethyl)-3-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



L11 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1991:536103 CAPLUS
DOCUMENT NUMBER: 115:136103
TITLE: Herbicidal 2-[(sulfonylamino)carbonyl]-2,4-dihydro-3H-1,2,4-triazol-3-ones with substituents linked by sulfur at position 5
INVENTOR(S): Mueller, Klaus Helmut; Baczinski, Peter; Santel, Hans Joachim; Schmidt, Robert R.
PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Ger. Offen., 32 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 12
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

DE 3936623	A1	19910508	DE 1989-3936623	19891103 <--
AU 9063601	A1	19910509	AU 1990-63601	19900927 <--
AU 623037	B2	19920430		
US 5085684	A	19920204	US 1990-596845	19901012 <--
EP 431291	A2	19910612	EP 1990-120153	19901020 <--
EP 431291	A3	19911009		
EP 431291	B1	19980729		
R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
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JP 03153675	A2	19910701	JP 1990-288605	19901029 <--
CA 2029132	AA	19910504	CA 1990-2029132	19901101 <--
CA 2029132	C	20010925		
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US 5599944	A	19970204	US 1994-295446	19940824 <--
US 5750718	A	19980512	US 1996-729126	19961011 <--

PRIORITY APPLN. INFO.:

DE 1987-3709574	A	19870324
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DE 1989-3934081	A	19891012
DE 1989-3936622	A	19891103
DE 1989-3936623	A	19891103
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US 1992-868065	A3	19920413
US 1992-870867	A3	19920420
US 1993-125975	A2	19930923
US 1993-136429	A2	19931013
US 1994-295446	A3	19940824

OTHER SOURCE(S): MARPAT 115:136103

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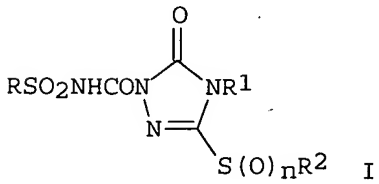


I

AB Title compds. I (R = alkyl, aryl, aralkyl, heteroaryl; R1 = H, OH, NH2, alkyl, alkenyl, alkynyl, aryl, etc.; R2 = alkyl, alkenyl, alkynyl, cycloalkyl, aryl, etc.; n = 0, 1, 2) were prepared in several ways. Thus, 2,4-dihydro-4-methyl-5-(methylthio)-3H-1,2,4-triazol-3-one was stirred with 2-MeO2CC6H4SO2NCO in MeCN for 6 h at 20° to give 75% I (R = 2-MeO2CC6H4, R1 = R2 = Me, n = 0). This compound exhibited superior herbicidal activity in pre- and post-emergence tests.

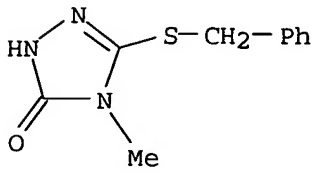
IT **66870-20-0P 135838-56-1P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

(Reactant or reagent)
(preparation and reaction of, with sulfonyl isocyanates)

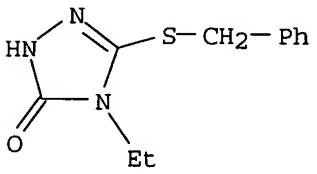
RN 66870-20-0 CAPLUS

CN 3H-1,2,4-Triazol-3-one, 2,4-dihydro-4-methyl-5-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



RN 135838-56-1 CAPLUS

CN 3H-1,2,4-Triazol-3-one, 4-ethyl-2,4-dihydro-5-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)

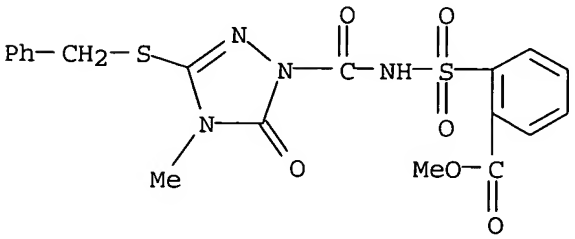


IT **135838-21-0P 135868-12-1P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as herbicide)

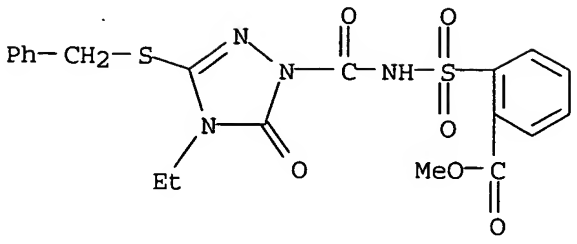
RN 135838-21-0 CAPLUS

CN Benzoic acid, 2-[[[[4,5-dihydro-4-methyl-5-oxo-3-[(phenylmethyl)thio]-1H-1,2,4-triazol-1-yl]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 135868-12-1 CAPLUS

CN Benzoic acid, 2-[[[[4-ethyl-4,5-dihydro-5-oxo-3-[(phenylmethyl)thio]-1H-1,2,4-triazol-1-yl]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



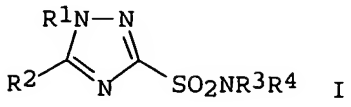
L11 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1988:94569 CAPLUS
DOCUMENT NUMBER: 108:94569
TITLE: Preparation of aryltriazolesulfonamides as **herbicides**
INVENTOR(S): Rowson, Graham Pont; Head, John Clifford; Westermann, Jurgen; Kruger, Martin; Arndt, Friedrich; Rees, Richard
PATENT ASSIGNEE(S): Schering Agrochemicals Ltd., UK
SOURCE: Eur. Pat. Appl., 41 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 246749	A2	19871125	EP 1987-303463	19870421 <--
EP 246749	A3	19880831		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
DE 3643021	A1	19880623	DE 1986-3643021	19861212 <--
DE 3707202	A1	19880915	DE 1987-3707202	19870305 <--
DE 3708215	A1	19880922	DE 1987-3708215	19870312 <--
DK 8702450	A	19871118	DK 1987-2450	19870514 <--
FI 8702124	A	19871118	FI 1987-2124	19870514 <--
ZA 8703460	A	19880127	ZA 1987-3460	19870514 <--
AU 8773000	A1	19871126	AU 1987-73000	19870515 <--
AU 583728	B2	19890504		
JP 63022083	A2	19880129	JP 1987-117202	19870515 <--
HU 44135	A2	19880229	HU 1987-2193	19870515 <--
HU 204974	B	19920330		
DD 261086	A5	19881019	DD 1987-302820	19870515 <--
US 4889553	A	19891226	US 1987-50733	19870515 <--
IL 82546	A1	19930114	IL 1987-82546	19870515 <--
CN 87103542	A	19880203	CN 1987-103542	19870516 <--
BR 8702527	A	19880223	BR 1987-2527	19870518 <--

PRIORITY APPLN. INFO.:

GB 1986-12062	A	19860517
DE 1986-3643021	A	19861212
DE 1987-3707202	A	19870305
DE 1987-3708215	A	19870312

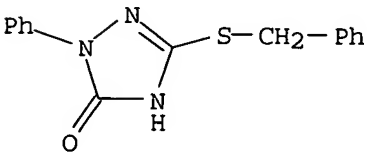
OTHER SOURCE(S): CASREACT 108:94569
GI



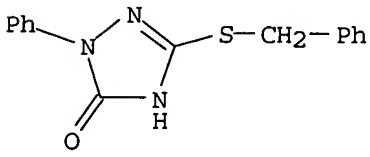
I

AB The title compds. [I; R1 = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, aryl, aralkyl, acyl, alkoxycarbonyl, aminocarbonyl, sulfonyl, heterocyclyl; R2 = H, halo, cyano, OH, SH, (substituted) alkyl, alkenyl, alkynyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, acyl, alkoxycarbonyl, aminocarbonyl, aryl, amino, heterocyclyl; R3 = (substituted) heterocyclyl; benzo-fused heterocyclyl, aryl, aralkyl; R4 = H, (substituted) alkyl, alkenyl, alkynyl, acyl, alkylsulfonyl, alkoxycarbonyl, aminocarbonyl, aralkyl, triazolylsulfonyl] were prepared as **herbicides.** N-Acetyl-2,6-dichloro-3-methylaniline was added to NaH in THF. After 15 min, 5-methyl-1-(2-pyrimidinyl)-1,2,4-triazole-3-sulfonyl chloride was added and the mixture was stirred 18 h to give N-(2,6-dichloro-3-methylphenyl)-5-methyl-1-(2-pyrimidinyl)-1,2,4-triazole-3-sulfonamide (II). An aqueous formulation was prepared containing II 7.5, 85% KOH 12.4, and 1-methylpyrrolidine 506.7 g/L. At 1.0 kg/ha preemergent, II gave complete control of velvetleaf and 5 other weeds.

IT **113026-68-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as herbicide intermediate)
RN 113026-68-9 CAPLUS
CN 3H-1,2,4-Triazol-3-one, 2,4-dihydro-2-phenyl-5-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)



IT **113026-68-9**
RL: RCT (Reactant); RACT (Reactant or reagent)
(O-methylation of, in preparation of herbicide)
RN 113026-68-9 CAPLUS
CN 3H-1,2,4-Triazol-3-one, 2,4-dihydro-2-phenyl-5-[(phenylmethyl)thio]- (9CI) (CA INDEX NAME)

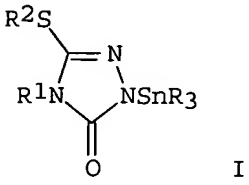


L11 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 1979:87676 CAPLUS
DOCUMENT NUMBER: 90:87676
TITLE: 1-Triorganostannyl-3-organothio-4-substituted-1,2,4-Δ2-triazolidin-5-ones

INVENTOR(S): Edwards, Laroy H.
PATENT ASSIGNEE(S): Chevron Research Co., USA
SOURCE: U.S., 8 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4110332	A	19780829	US 1977-794324	19770505 <--
PRIORITY APPLN. INFO.:			US 1977-794324 A	19770505

GI

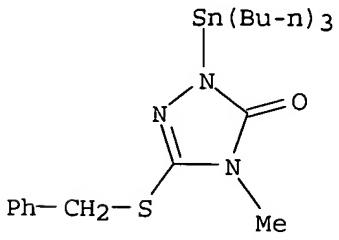


I

AB Nine title compds. I (R = C1-6 alkyl, Ph, PhCH2; R1 = C1-4 alkyl, C2-3 alkenyl, C5-6 cycloalkyl, Ph, PhCH2; R2 = C1-4 alkyl, C2-3 alkenyl, PhCH2) were prepared by stannylation of triazolidinones with ClSnR3. Thus, 0.03 mol 3-(allylthio)-4-methyl-1H-1,2,4-Δ2-triazolidin-5-one, 0.03 mol ClSnPh3, and 0.03 mol Et3N was refluxed 6 h in CH2Cl2 to give I (R = Ph, R1 = Me, R2 = allyl). I were effective as fungicides, bactericides, insecticides, and **herbicides.** Thus, at 0.5, 0.1, and 0.3 μg/cm2 on agar, I (R = Bu, R1 = R2 = Me) gave 99% control of Pseudomonas syringae, Erwinia amylovora, and Xanthomonas ulsicatoria.

IT **69219-58-5P**
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and pesticidal activity of)

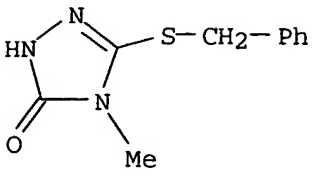
RN 69219-58-5 CAPLUS
CN 3H-1,2,4-Triazol-3-one, 2,4-dihydro-4-methyl-5-[(phenylmethyl)thio]-2-(tributylstannyl)- (9CI) (CA INDEX NAME)



IT **66870-20-0**
RL: RCT (Reactant); RACT (Reactant or reagent)
(stannylation of)

RN 66870-20-0 CAPLUS
CN 3H-1,2,4-Triazol-3-one, 2,4-dihydro-4-methyl-5-[(phenylmethyl)thio]- (9CI)

(CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	32.17	361.54

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.65	-4.38

STN INTERNATIONAL LOGOFF AT 08:53:16 ON 03 MAY 2005